ANNUAL INDEX

GREGOIRE ALLAIRE AND ROBERT V. KOHN: Explicit optimal bounds on the elastic energy	
of a two-phase composite in two space dimensions	675
GREGOIRE ALLAIRE AND ROBERT V. KOHN: Optimal bounds on the effective behavior	
of a mixture of two well-ordered elastic materials	643
J. BADUR (see STUMPF, H.)	
B. S. BERGER, M. ROKNI, AND I. MINIS: Complex dynamics in metal cutting	601
P. BISEGNA (see ROMANO, G.)	
C. M. Brauner, P. C. Fife, G. Namah, and C. Schmidt-Lainé: Propagation of a	
combustion front in a striated solid medium: An homogenization analysis	467
DENNIS W. BREWER, JOHN A. BURNS, AND EUGENE M. CLIFF: Parameter identification	
for an abstract Cauchy problem by quasilinearization	1
M. A. BRUTYAN AND P. L. KRAPIVSKY: Collapse of spherical bubbles in fluids with	
nonlinear viscosity	745
JOHN A. BURNS (see BREWER, DENNIS W.)	
CONSTANTINE J. CALLIAS AND XANTHIPPI MARKENSCOFF: The singularity of the stress	
field of two nearby holes in a planar elastic medium	547
B. Cassis, O. Tikhomirov, and B. A. Wagner: Asymptotic solution for nonlinear	
chemical vapor deposition problems	585
XINFU CHEN AND AVNER FRIEDMAN: The thermistor problem for conductivity which	
vanishes at large temperature	101
EUGENE M. CLIFF (see Brewer, Dennis W.)	
K. L. COOKE, J. TURI, AND G. TURNER: Spectral conditions and an explicit expression	
for the stabilization of hybrid systems in the presence of feedback delays	147
W. A. Day: Entropy and elliptic equations	191
R. W. DICKEY AND J. J. ROSEMAN: Equilibria of the circular elastica under a uniform	
central force field	201
JOSEPH D. FEHRIBACH: Analysis and application of a continuation method for a self-	
similar coupled Stefan system	405
P. C. Fife (see Brauner, C. M.)	
STATHIS FILIPPAS AND JONG-SHENQ GUO: Quenching profiles for one-dimen-	
sional semilinear heat equations	713
ROGER FOSDICK AND ERIC VOLKMANN: Normality and convexity of the yield surface in	
nonlinear plasticity	117
AVNER FRIEDMAN (see CHEN, XINFU)	
METIN GÜRGÖZE (see GROSS, PETER)	
G. GENTILI (see GIORGI, C.)	
ROBERTO GIANNI AND PAOLA MANNUCCI: Existence theorems for a free boundary prob-	
lem in combustion theory	43
C. GIORGI AND G. GENTILI: Thermodynamic properties and stability for the heat flux	
equation with linear memory	343
GUSTAF GRIPENBERG: Unimodality and viscoelastic pulse propagation	183
PETER GROSS, METIN GÜRGÖZE, AND WOLFHARD KLIEM: Bifurcation and stability	
analysis of a rotating beam	701
JONG-SHENQ GUO (see FILIPPAS, STATHIS)	
W. W. HACKBORN: On a class of Stokes flows inside a corrugated boundary	329
DESMOND L. HILL AND JAMES M. HILL: Superimposed travelling wave solutions for	
nonlinear diffusion	633

ANNUAL INDEX

GREGOIRE ALLAIRE AND ROBERT V. KOHN: Explicit optimal bounds on the elastic energy	
of a two-phase composite in two space dimensions	675
GREGOIRE ALLAIRE AND ROBERT V. KOHN: Optimal bounds on the effective behavior	
of a mixture of two well-ordered elastic materials	643
J. BADUR (see STUMPF, H.)	
B. S. BERGER, M. ROKNI, AND I. MINIS: Complex dynamics in metal cutting	601
P. BISEGNA (see ROMANO, G.)	
C. M. Brauner, P. C. Fife, G. Namah, and C. Schmidt-Lainé: Propagation of a	
combustion front in a striated solid medium: An homogenization analysis	467
DENNIS W. BREWER, JOHN A. BURNS, AND EUGENE M. CLIFF: Parameter identification	
for an abstract Cauchy problem by quasilinearization	1
M. A. BRUTYAN AND P. L. KRAPIVSKY: Collapse of spherical bubbles in fluids with	
nonlinear viscosity	745
JOHN A. BURNS (see BREWER, DENNIS W.)	
CONSTANTINE J. CALLIAS AND XANTHIPPI MARKENSCOFF: The singularity of the stress	
field of two nearby holes in a planar elastic medium	547
B. Cassis, O. Tikhomirov, and B. A. Wagner: Asymptotic solution for nonlinear	
chemical vapor deposition problems	585
XINFU CHEN AND AVNER FRIEDMAN: The thermistor problem for conductivity which	
vanishes at large temperature	101
EUGENE M. CLIFF (see Brewer, Dennis W.)	
K. L. COOKE, J. TURI, AND G. TURNER: Spectral conditions and an explicit expression	
for the stabilization of hybrid systems in the presence of feedback delays	147
W. A. Day: Entropy and elliptic equations	191
R. W. DICKEY AND J. J. ROSEMAN: Equilibria of the circular elastica under a uniform	
central force field	201
JOSEPH D. FEHRIBACH: Analysis and application of a continuation method for a self-	
similar coupled Stefan system	405
P. C. Fife (see Brauner, C. M.)	
STATHIS FILIPPAS AND JONG-SHENQ GUO: Quenching profiles for one-dimen-	
sional semilinear heat equations	713
ROGER FOSDICK AND ERIC VOLKMANN: Normality and convexity of the yield surface in	
nonlinear plasticity	117
AVNER FRIEDMAN (see CHEN, XINFU)	
METIN GÜRGÖZE (see GROSS, PETER)	
G. GENTILI (see GIORGI, C.)	
ROBERTO GIANNI AND PAOLA MANNUCCI: Existence theorems for a free boundary prob-	
lem in combustion theory	43
C. GIORGI AND G. GENTILI: Thermodynamic properties and stability for the heat flux	
equation with linear memory	343
GUSTAF GRIPENBERG: Unimodality and viscoelastic pulse propagation	183
PETER GROSS, METIN GÜRGÖZE, AND WOLFHARD KLIEM: Bifurcation and stability	
analysis of a rotating beam	701
JONG-SHENQ GUO (see FILIPPAS, STATHIS)	
W. W. HACKBORN: On a class of Stokes flows inside a corrugated boundary	329
DESMOND L. HILL AND JAMES M. HILL: Superimposed travelling wave solutions for	
nonlinear diffusion	633

JAMES M. HILL (see HILL, DESMOND L.)	
Y. E. HOHLOV AND S. D. HOWISON: On the classification of solutions to the zero-surface-	
tension model for Hele-Shaw free boundary flows	777
SELWYN L. HOLLIS: On the question of global existence for reaction-diffusion systems	
with mixed boundary conditions	241
C. O. HORGAN AND L. E. PAYNE: The effect of constitutive law perturbations on finite	
antiplane shear deformations of a semi-infinite strip	441
S. D. Howison (see Hohlov, Y. E.)	
BEI HU AND HONG-MING YIN: Determination of the leading coefficient $a(x)$ in the heat	
equation $u_t = a(x)\Delta u$	577
Wang Huaizhong (see Yong, Li)	
K. Huseyin (see Yu, P.)	
Song Jiang: Global large solutions to initial boundary value problems in one-dimensional	
nonlinear thermoviscoelasticity	731
M. C. JORGE AND A. A. MINZONI: Examples of bifurcation from a continuum of eigen-	
values and from the continuous spectrum	37
WOLFHARD KLIEM (see GROSS, PETER)	
ROBERT V. KOHN (see Allaire, Gregoire)	
W. Kosiński and K. Saxton: The effect on finite time breakdown due to modified	
Fourier laws	55
P. L. Krapivsky (see Brutyan, M. A.)	
P. SAM LAWRENCE AND B. NAGESWARA RAO: Reinvestigation of the nonuniqueness of	40.
the flow of a viscoelastic fluid over a stretching sheet	401
CHJAN C. LIM AND LAWRENCE SIROVICH: Nonlinear vortex trail dynamics Part II: Analytic	120
solutions	129
XINZHI LIU: On attractivity for nonautonomous systems	319
ZHUANGYI LIU AND SONGMU ZHENG: Exponential stability of the semigroup associated	535
with the thermoelastic system	495
MASSIMILIANO LUCCHESI: Free-energy functions for elastic-plastic material elements	299
S. K. MALIK AND M. SINGH: Nonlinear field instability and chaos in magnetic fluids	519
PAOLA MANNUCCI (see GIANNI, ROBERTO)	317
XANTHIPPI MARKENSCOFF (see Callias, Constantine J.)	
F. MAROTTI DE SCIARRA (see ROMANO, G.)	
AKIRA MASUDA: The completeness theorem for Rossby normal modes of a stably strat-	
ified flat ocean with an arbitrary form of side boundary	425
B. J. MATKOWSKY AND V. VOLPERT: Stability of plane wave solutions of complex	120
Ginzburg-Landau equations	265
M. F. McCarthy, T. B. Moodie, T. S. Öncü, and R. P. Sawatzky: Propaga-	
tion and reflection of one-dimensional waves in ferroelectric ceramics	217
I. Minis (see Berger, B. S.)	
A. A. MINZONI (see JORGE, M. C.)	
T. B. MOODIE (see McCarthy, M. F.)	
G. NAMAH (see BRAUNER, C. M.)	
JOHANNES C. C. NITSCHE: Boundary value problems for variational integrals involving	
surface curvatures	363
T. S. Öncü (see McCarthy, M. F.)	
L. E. PAYNE AND P. W. SCHAEFER: Some nonstandard problems for the Poisson equation	81
L. E. Payne (see Horgan, C. O.)	
NANCY M. PFENNING AND W. O. WILLIAMS: On nonmaterial surfaces with structure	559

R. RACKE, Y. SHIBATA, AND S. ZHENG: Global solvability and exponential stability in	
one-dimensional nonlinear thermoelasticity	751
B. Nageswara Rao (see Lawrence, P. Sam)	
M. Rokni (see Berger, B. S.)	
G. ROMANO, L. ROSATI, F. MAROTTI DE SCIARRA, AND P. BISEGNA: A potential theory	
for monotone multivalued operators	613
L. Rosati (see Romano, G.)	
J. J. ROSEMAN (see DICKEY, R. W.)	
R. P. SAWATZKY (see McCarthy, M. F.)	
K. Saxton (see Kosiński, W.)	
P. W. Schaefer (see Payne, L. E.)	
C. Schmidt-Lainé (see Brauner, C. M.)	
JINGYU SHI: Plane deformations of membranes and networks with circular cords	69
Y. SHIBATA (see RACKE, R.)	
M. SINGH (see MALIK, S. K.)	
LAWRENCE SIROVICH (see LIM, CHJAN C.)	
C. A. STUART: Estimating the critical radius for radially symmetric cavitation	251
H. STUMPF AND J. BADUR: On objective surface rates	161
DECHUN TAN: Riemann problem for hyperbolic systems of conservation laws with no	
classical wave solutions	765
O. TIKHOMIROV (see Cassis, B.)	
T. C. T. TING (see WANG, M. Z.)	
Ton Tran-Cong: On Helmholtz's decomposition theorem and Poisson's equation with	
an infinite domain	23
J. Turi (see Cooke, K. L.)	
G. TURNER (see COOKE, K. L.)	
LAWRENCE TURYN: The damped Mathieu equation	389
ERIC VOLKMANN (see FOSDICK, ROGER)	
V. VOLPERT (see MATKOWSKY, B. J.)	
B. A. WAGNER (see Cassis, B.)	
M. Z. WANG, T. C. T. TING, AND GONGPU YAN: The anisotropic elastic semi-infinite strip	283
W. O. WILLIAMS (see PFENNING, NANCY M.)	203
LÜ XIANRUI (see YONG, LI)	
GONGPU YAN (see WANG, M. Z.)	
Hong-Ming Yin (see Hu, Bei)	
LI YONG, WANG HUAIZHONG, AND LÜ XIANRUI: Equilibrium of permanent multivalued	
	791
P. Yu and K. Huseyin: On phase-locked motions associated with strong resonance	91
S. ZHENG (see RACKE, R.)	71
Songmu Zheng (see Liu, Zhuangyi)	
SONOMU ZHENG (SEE LIU, ZHUANGYI)	

